

Work Order ID 141238

Tuesday, February 02, 2016 12:38:50 PM

POSITIVE
RECALL

141238

Release PRELIMINARY ISSUE Page 1
REV A

Item ID: DSI 9740-011

Accept

N900040100

Setup Start *NS1*

Revision ID: PRELIM

Stop *NS2*

Item Name: Strut Addition

Start Date: 2/2/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 2/5/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

Date: 16-2-3

Tooling:

Date:

Run Start *NR1*

QC:

Date:

SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

DSI 9740

A

100

Document Control

0.00

100

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP DSI9740-011 CHG001

DAS
27
9-89

FEB 09 2016

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

DAS
6
9-89

FEB 04 2016

DAS
28
9-89

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

1

16-02-04

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		☐ OTHER : _____							

Work Order ID 141238

Tuesday, February 02, 2016 12:38:50 PM

141238

Page 2

Item ID: DSI 9740-011 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: PRELIM Stop ***NS2***
Item Name: Strut Addition
Start Date: 2/2/2016 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 2/5/2016 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00				1X		DAS 28 5-59	FEB 09 2016
130	Memo	0.00							
Packaging	Identify and pack for shipping as per RFP DSI 9740-011								
Packaging	Location: FG123								
140	QC21- Final Inspection - Work Order Release	0.00							
140	Memo	0.00							
QC									
Quality Control									

POSITIVE RECALL

EFFECTIVE 16.2.2 AUTH 

RELEASED  DATE 14/02/09

MCS FEB 09 2016

MCS FEB 09 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval																																																									
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

Tuesday, February 02, 2016 12:38:57 PM

Page 1

Work Order ID: 141238

141238

Parent Item: DSI 9740-011

DSI 9740-011

Parent Item Name: Strut Addition

Start Date: 2/2/2016

Required Date: 2/5/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 16.02.02 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

AN3-11A		Purchased	No				Each	133.0000		1			
---------	--	-----------	----	--	--	--	------	----------	--	---	--	--	--

AN3-11A

Bolt

DAS
6
9-89

Location	Loc Qty	Loc Code
over003	100	
m133992	100	
ST349	33	
m133561	33	

DAS
28
9-89

AN4-6A		Purchased	No				Each	1,185.000		1			
--------	--	-----------	----	--	--	--	------	-----------	--	---	--	--	--

AN4-6A

BOLT

DAS
6
9-89

Location	Loc Qty	Loc Code
CA	143	
M128403	43	
M130851	100	
over03	1000	
M133790	1000	
ST345	42	
M133316	18	
M133363	24	

DAS
28
9-89

FEB 04 2016

D5393-041		Manufactured	No				Each	0.0000		1			
-----------	--	--------------	----	--	--	--	------	--------	--	---	--	--	--

D5393-041

Strut Assembly

DAS
28
9-89

D5394-041		Manufactured	No				Each	0.0000		1			
-----------	--	--------------	----	--	--	--	------	--------	--	---	--	--	--

D5394-041

Drag Bracket Assembly

DAS
28
9-89

B141239
B141242

16-2-4

16-2-4

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐				
		OTHER :							

Picklist Print

Tuesday, February 02, 2016 12:38:57 PM

Page 2

Work Order ID: 141238

141238

Parent Item: DSI 9740-011

DSI 9740-011

Parent Item Name: Strut Addition

Start Date: 2/2/2016

Required Date: 2/5/2016

Start Qty: 1.00

Required Qty: 1.00

D5395-1

Manufactured No

Each 0.0000

D5395-1

Drag Bracket

MS21042L3

Purchased No

Each 2,453.000

MS21042L3

Nut

Location

Loc Qty

Loc Code

CCK007

2000

m134039

2000

FP001

163

m133790

163

GA

195

m133790

195

ST304

95

m133790

95

MS21042L4

Purchased No

Each 3,212.000

MS21042L4

Locknut

Location

Loc Qty

Loc Code

FP001

41

m133363

41

GA

26

m127813

26

ST007

1500

m134055

1500

ST303

1548

m133769

1548

ST305

97

m130922

97

**

**

**

DAS
6
9-89

DAS
28
9-89

DAS
28
9-89

DAS
6
9-89

FEB 0 1 2016

Tuesday, February 02, 2016 12:38:57 PM

Shop Packet Print

Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QS1042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

Page 3

Tuesday, February 02, 2016 12:38:57 PM

Work Order ID: 141238

141238

Parent Item: DSI 9740-011

DSI 9740-011

Parent Item Name: Strut Addition

Start Date: 2/2/2016

Required Date: 2/5/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0363P

Purchased

No

Each

459.0000

2

NAS1149F0363P

WASHER

DAS

6

9-89

DAS

28

9-89

Location

Loc Qty

Loc Code

ST260a

459

124555

459

Each

990.0000

2

NAS1149F0463P

Purchased

No

NAS1149F0463P

Washer

DAS

6

9-89

Location

Loc Qty

Loc Code

ST260a

959

m127832

959

st268

31

m127832

23

m130388

8

DAS

28

9-89

FEB 04 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : ☐							
Misidentified ☐	Past Due ☐								

3.0 PARTS LIST

QTY -011	PART NUMBER	DESCRIPTION
X	DSI 9740-011	STRUT ADDITION
1	D5393-041	STRUT ASSEMBLY
1	D5394-041	BRACKET
1	D5395-1	BRACKET
1	AN3-11A	BOLT
1	AN4-6A	BOLT
1	MS21042L3	NUT
1	MS21042L4	NUT
2	NAS1149F0363P	WASHER
2	NAS1149F0463	WASHER

4.0 WEIGHT AND BALANCE

INSTALLATION	WEIGHT	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
DSI 9740-011 Strut Addition (LH)	0.90 lb 0.41 kg	- 37.6 in - 0.96 m	- 33.8 in-lb - 0.39 m-kG	110.6 in 2.8 m	99.5 in-lb 1.15 m-kG
DSI 9740-011 Strut Addition (RH)	0.90 lb 0.41 kg	37.6 in 0.96 m	- 33.8 in-lb - 0.39 m-kG	110.6 in 2.8 m	99.5 in-lb 1.15 m-kG

PRELIMINARY ISSUE

16.02.02

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: _____
D. SHEPHERD (DE # 02)

DATE: 16.01.26
CERT. NO.: SH94-14
ISSUE NO.: 7

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	RF	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9740	SHEET 2 OF 4
APPROVED	HS	TITLE	SCALE
DE APPR.		STRUT ADDITION	NTS
DATE	16.01.26	COPYRIGHT © 2016 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D130-701 REV. E AND INSTRUCTIONS FOR
CONTINUED AIRWORTHINESS ICA-D130-701 REV. 3 OR LATER APPROVED REVISION

REF. TCCA STC: SH94-14
REF. FAA STC: SR00213NY
REF. EASA STC: 10016996
REF. ANAC STC: 2007S03-03

1.0 PURPOSE

The purpose of this Dart Service Instruction (DSI) is to provide instructions to add the D5393-041 strut assembly on the D130-701-043 Basket Installation at CHG 006 or earlier to reduce longitudinal oscillations. One DSI 9740-011 Strut kit must be applied to each Basket. The DSI 9740-011 Strut kit will be incorporated into D130-701-043 at CHG 007 and subsequent.

2.0 PROCEDURE

1. Enlarge the center hole on the D4039-041 Bracket to $\varnothing 0.257$ " per Figure 1. Touch up hole with Alodine 1200/1201 per MIL-C-5541 and prime per Aircraft Maintenance Manual.
2. Loosely install the D5395-1 Bracket and associated hardware on the fwd side of the D4039-041 Bracket as shown in Figure 1. Loosely install the D5394-041 Bracket on the Basket frame per Figure 2.
3. Install the D5393-041 Strut Assembly onto the D5395-1 Bracket and D5394-041 Bracket with 2x MS17984-C405 pip pins. Adjust the AN665-34R clevises as required.
4. Remove one of the MS17984-C405 pip pins and turn the AN665-34C clevis one half turn shorter so the rod is in tension. Reinstall the strut assembly and tighten the NAS509-2C Jam Nut. Torque the AN4-6A bolt and AN3-11A bolt per Table 1.
5. Secure the NAS509-4C jam nuts using lock wire per AC 43.13 or MS33540. After adjustment, use lockwire in the hole of the AN665-34R clevises to check for proper engagement of threads. It is acceptable to flip MS17984-C405 Quick Release Pin orientation to facilitate D5393-041 Strut Assembly installation.
6. Update aircraft logbook to indicate installation of the DSI 9740-011 Strut kit and adjust aircraft weight and balance record with weight and balance data provided in Section 4.0 of this document.

TABLE 1 - TORQUE VALUES

FASTENER TYPE	TORQUE (IN-LB)
#10	20-25
1/4"	50-70

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 16.01.26
CERT. NO.: SH94-14
ISSUE NO.: 7

A	NEW ISSUE	VS	16.01.26
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	RF	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9740	SHEET 1 OF 4
APPROVED	HS	TITLE	SCALE
DE APPR.		STRUT ADDITION	NTS
DATE	16.01.26	COPYRIGHT © 2016 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

3.0 PARTS LIST

QTY 011	PART NUMBER	DESCRIPTION
X	DSI 9740-011	STRUT KIT
1	D5393-041	STRUT ASSEMBLY
1	D5394-041	BRACKET
1	D5395-1	BRACKET
1	AN3-11A	BOLT
1	AN4-6A	BOLT
1	MS21042L3	NUT
1	MS21042L4	NUT
2	NAS1149F0363P	WASHER
2	NAS1149F0463	WASHER

4.0 WEIGHT AND BALANCE

INSTALLATION	WEIGHT	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
DSI 9740-011 Strut Kit (LH)	0.90 lb 0.41 kg	- 37.6 in - 0.96 m	- 33.8 in-lb - 0.39 m-kg	110.6 in 2.8 m	99.5 in-lb 1.15 m-kg
DSI 9740-011 Strut Kit (RH)	0.90 lb 0.41 kg	37.6 in 0.96 m	33.8 in-lb 0.39 m-kg	110.6 in 2.8 m	99.5 in-lb 1.15 m-kg

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED
BY: 
D. SHEPHERD (DE # 02)

DATE: 16.01.26
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ISSUE NO.: 7

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	RF	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9740	SHEET 2 OF 4
APPROVED	HS	TITLE	SCALE
DE APPR.		STRUT ADDITION	NTS
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ENLARGE HOLE TO $\varnothing 0.257"$
 INSTALL D5395-1 BRACKET USING:
 1X AN4-6A BOLT
 2X NAS1149F0463P WASHER
 1X MS21042L4 NUT

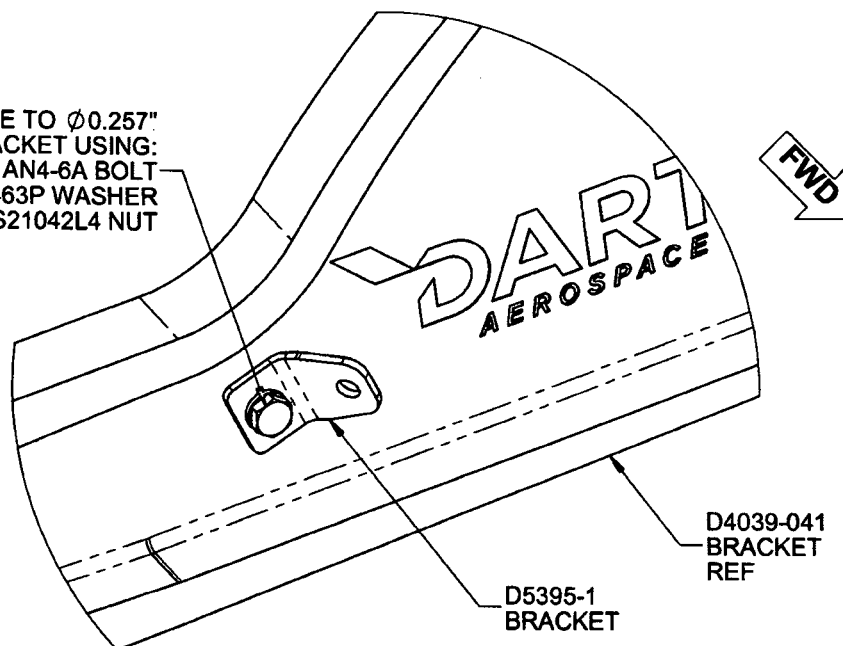
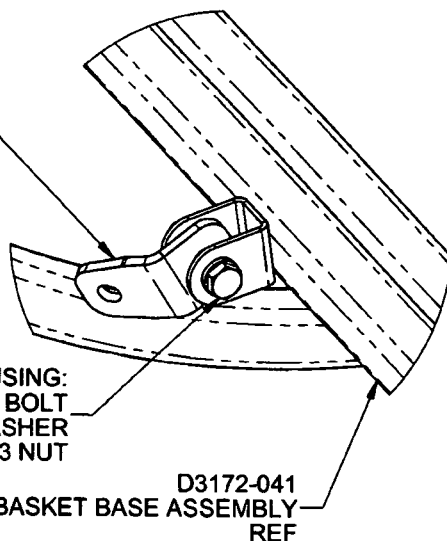


FIGURE 1: D5395-1 BRACKET INSTALLATION
 (LH INSTALL SHOWN, RH OPPOSITE)

D5394-041
 BRACKET



INSTALL D5394-041 BRACKET USING:
 1X AN3-11A BOLT
 2X NAS1149F0363P WASHER
 1X MS21042L3 NUT

D3172-041
 BASKET BASE ASSEMBLY
 REF

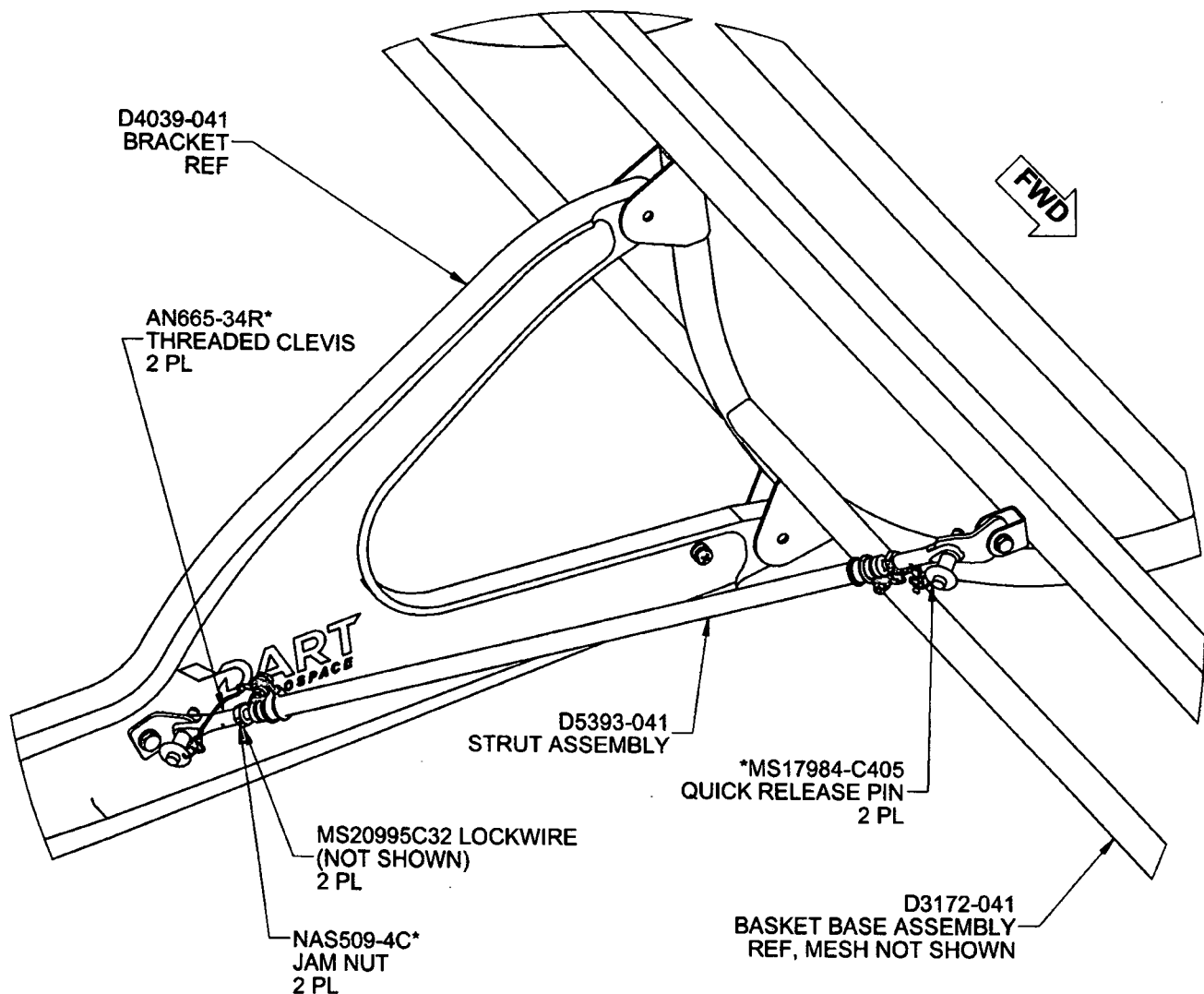
FIGURE 2: D5394-041 BRACKET INSTALLATION
 (LH INSTALL SHOWN, RH OPPOSITE)

CANADA
 DEPARTMENT OF TRANSPORT
 AIRCRAFT CERTIFICATION
 BRANCH
 DAO # 01-O-01

APPROVED
 BY: *[Signature]*
 D. SHEPHERD (DE # 02)

DATE: 16.01.26
 CERT. NO.: SH94-14
 ISSUE NO.: 7

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
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MFG. APPR.	N/A	DSI 9740	SHEET 3 OF 4
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*PART OF D5393-041 STRUT ASSEMBLY

FIGURE 2: D5393-041 STRUT INSTALLATION
(LH INSTALL SHOWN, RH OPPOSITE)

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: [Signature]
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